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## **CLAIMS**

## 1. A compound of the formula (I):

$$Cy \xrightarrow{N} H \xrightarrow{X} (R^1)_n (R^2)_p$$

$$(I)$$

or a pharmaceutically acceptable salt or solvate thereof, wherein:

A and B independently represent  $CH_2$  or O, with the proviso that A and B are not simultaneously O;

Cy represents one of the following

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optionally substituted by one to three groups selected from hydroxy, halogen,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy,  $C_{1-6}$ haloalkyl,  $C_{1-6}$ alkylamino and amino;

 $R^1$  and  $R^2$  are independently selected from hydroxy, halogen,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy,  $C_{1-6}$ 6haloalkyl and  $C_{3-8}$  cycloalkyl;

n represents an integer from 0-4;

X is hydrogen, hydroxy, halogen or  $C_{1-6}$  alkoxy;

Y is oxy, thio, a 1-4 membered alkylene, a 2-4 membered alkylene ether, 2-4 membered alkylene thioether or an oxyethyleneoxy group, optionally substituted by 1 to 4 groups independently selected from hydroxy, halogen,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy and  $C_{1-6}$ haloalkyl;

Z is CH or N; and

p represents an integer from 0-5 when Z is CH or 0-4 when Z is N,

when p represents 2 or more, two of R<sup>2</sup>s may be taken together with the carbon atoms to which they are attached to form a 5-8 membered cycloalkyl ring.

- 2. A compound according to claim 1 where A and B represent carbon atoms.
- 3. A compound according to claim 1 where A represents O and B represents C.
- 4. A compound according to claim 1 where A represents C and B represents O.
- 5. A compound according to any one of claims 1 to 4 where Cy is selected from optionally further substituted 4-hydroxyphenyl, 1*H*-pyrazol-4-yl, 2-oxo-2,3-dihydro-1,3-benzoxazole-6-yl and 2-hydroxy-5-pyridyl.
- 6. A compound according to any one of claims 1 to 5 where Cy represents 4-hydroxyphenyl, optionally further substituted by fluoro or methyl.
- 7. A compound according to any one of claims 1 to 6 where n represents 0.
- 8. A compound according to any one of claims 1 to 7 where R<sup>2</sup> represents methoxy, chloro, fluoro or methyl.

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- 9. A compound according to any one of claims 1 to 8 where p represents 0-2.
- 10. A compound according to any one of claims 1 to 9 where X is hydrogen or hydroxy.
- 11. A compound according to any one of claims 1 to 10 where Y is selected from methylene, oxyethyleneoxy, oxymethylene, methyleneoxy, methyleneoxymethylene, ethyleneoxy, oxyethylene and oxy.
- 12. A compound according to any one of claims 1 to 11 where Y is *para* located to and in a *trans* configuration to X.
- 13. A compound of formula (I) selected from:
- 4-Hydroxy-N-{[cis-4-(phenoxymethyl)cyclohexyl]methyl}benzamide;
- 4-Hydroxy-N-({cis-4-[(4-methoxyphenoxy)methyl]cyclohexyl}methyl)benzamide;
- N-{[cis-4-(Benzyloxy)cyclohexyl]methyl}-4-hydroxybenzamide;
- *N*-({*cis*-4-[(4-Chlorobenzyl)oxy]cyclohexyl}methyl)-4-hydroxybenzamide;
- *N*-({*cis*-4-[(3-Chlorobenzyl)oxy]cyclohexyl}methyl)-4-hydroxybenzamide;
- 4-Hydroxy-*N*-{[*cis*-4-(4-methoxyphenoxy)cyclohexyl]methyl}benzamide;
- *N*-{[*cis*-4-(4-Chlorophenoxy)cyclohexyl]methyl}-4-hydroxybenzamide;
- 4-Hydroxy-N-{[1-hydroxy-4-(phenoxymethyl)cyclohexyl]methyl}benzamide;
- *N*-({*trans*-4-[(4-Fluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- *N*-({*trans*-4-[(3-Fluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- *N*-({*trans*-4-[(2-Fluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- N-({trans-4-[(2,6-Difluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;

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N-({trans-4-[(3,5-Difluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide; N-({trans-4-[(3-Chlorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide: N-({trans-4-[(4-Chlorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide; 4-Hydroxy-N-({trans-1-hydroxy-4-[(2methylphenoxy)methyl]cyclohexyl}methyl)benzamide; 4-Hydroxy-N-( $\{trans-1-hydroxy-4-[(3$ methylphenoxy)methyl]cyclohexyl}methyl)benzamide; 4-Hydroxy-N-({trans-1-hydroxy-4-[(4methylphenoxy)methyl]cyclohexyl}methyl)benzamide; N-({trans-4-[(Benzyloxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide; N-[(trans-4-{[(2-Fluorobenzyl)oxy]methyl}-1-hydroxycyclohexyl)methyl]-4hydroxybenzamide; N-[(trans-4-{[(4-Fluorobenzyl)oxy]methyl}-1-hydroxycyclohexyl)methyl]-4hydroxybenzamide; 4-Hydroxy-N-{[trans-1-hydroxy-4-(2-phenoxyethyl)cyclohexyl]methyl}benzamide; N-({trans-4-[2-(2-Fluorophenoxy)ethyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide; N-({trans-4-[2-(3-Fluorophenoxy)ethyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide; N-({trans-4-[2-(4-Fluorophenoxy)ethyl]-1-hydroxycyclohexyl}methyl)-4hydroxybenzamide; N-{[trans-4-(Benzyloxy)-1-hydroxycyclohexyl]methyl}-4-hydroxybenzamide; *N*-{[trans-4-(4-Chlorophenoxy)-1-hydroxycyclohexyl]methyl}-4-hydroxybenzamide; N-{[cis-4-(4-Chlorophenoxy)-1-hydroxycyclohexyl]methyl}-4-hydroxybenzamide; N-{[trans-4-(4-Chlorophenoxy)-1-hydroxycyclohexyl]methyl}-3-fluoro-4hydroxybenzamide; N-{[cis-4-(4-Chlorophenoxy)-1-hydroxycyclohexyl]methyl}-3-fluoro-4-hydroxybenzamide; (+)-4-hydroxy-N-{[5S-(phenoxymethyl)tetrahydro-2H-pyran-2S-yl]methyl}benzamide;

- $\label{lem:condition} \ensuremath{\text{(-)-4-hydroxy-$N-\{[5$R-(phenoxymethyl)$tetrahydro-$2$H-pyran-$2$R-yl]$methyl}$ benzamide;$
- 4-hydroxy-*N*-{[5*S*-(benzyloxymethyl)tetrahydro-2*H*-pyran-2*S*-yl]methyl}benzamide;
- 4-hydroxy-*N*-{[5*R*-(benzyloxymethyl)tetrahydro-2*H*-pyran-2*R*-yl]methyl}benzamide;
- $(-)-4-Hydroxy-N-\{[(3R,6S)-6-(phenoxymethyl)tetrahydro-2H-pyran-3-4-Hydroxy-N-\{[(3R,6S)-6-(phenoxymethyl)tetrahydro-2H-pyran-3-4-Hydroxy-N-\{[(3R,6S)-6-(phenoxymethyl)tetrahydro-2H-pyran-3-4-Hydroxy-N-\{[(3R,6S)-6-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-4-(phenoxymethyl)tetrahydro-2H-pyran-3-(phenoxymethyl)tet$
- yl]methyl}benzamide;
- (+)-4-Hydroxy-N-{[(3S,6R)-6-(phenoxymethyl)tetrahydro-2H-pyran-3-
- yl]methyl}benzamide;
- N-({trans-4-[(2-Fluorobenzyl)oxy]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- 3-Fluoro-*N*-({*trans*-4-[2-(2-fluorophenoxy)ethyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- trans N-{[4-(4-chlorophenoxy)cyclohexyl]methyl}-3-fluoro-4-hydroxybenzamide;
- cis- N-{[4-(4-chlorophenoxy)cyclohexyl]methyl}-3-fluoro-4-hydroxybenzamide;
- *N*-{[*cis*-4-(4-Fluorophenoxy)cyclohexyl]methyl}-4-hydroxybenzamide:
- 3-Fluoro-N-{[cis-4-(4-fluorophenoxy)cyclohexyl]methyl}-4-hydroxybenzamide;
- $N-(\{trans-4-[2-(2-Fluorophenoxy)ethyl]-1-hydroxycyclohexyl\}$  methyl)-1H-pyrazole-4-carboxamide;
- 4-hydroxy-N-{[cis-4-(2-phenylethoxy)cyclohexyl]methyl}benzamide;
- 2-fluoro-4-hydroxy-N-{[trans-1-hydroxy-4-(phenoxymethyl)cyclohexyl]methyl}benzamide;
- $N-(\{trans-4-[(benzyloxy)methyl]-1-hydroxycyclohexyl\}methyl)-3-fluoro-4-$

hydoxybenzamide;

- N-({cis-4-[(Benzyloxy)methyl]cyclohexyl}methyl)-4-hydroxybenzamide
- 3-Fluoro-4-hydroxy-*N*-{[trans-1-hydroxy-4-
- (phenoxymethyl)cyclohexyl]methyl}benzamide;
- 3-Fluoro-4-hydroxy-N-{[trans-1-hydroxy-4-(2-
- phenoxyethyl)cyclohexyl]methyl}benzamide;
- 3-Fluoro-*N*-[(*trans*-4-{[(4-fluorobenzyl)oxy]methyl}-1-hydroxycyclohexyl)methyl]-4-hydroxybenzamide;
- 3-Fluoro-*N*-({*trans*-4-[(2-fluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;
- 3-Fluoro-*N*-({*trans*-4-[(4-fluorophenoxy)methyl]-1-hydroxycyclohexyl}methyl)-4-hydroxybenzamide;

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- 4-Hydroxy-N-[(trans-1-hydroxy-4-{[(5-methylpyridin-2-
- yl)oxy]methyl}cyclohexyl)methyl]benzamide;
- *N*-[(*trans*-4-Benzyl-1-hydroxycyclohexyl)methyl]-4-hydroxybenzamide;
- 3-fluoro-*N*-[(*trans*-4-{[(2-fluorobenzyl)oxy]methyl}-1-hydroxycyclohexyl)methyl]-4-hydroxybenzamide;
- 6-Hydroxy-*N*-{[*cis*-4-(2-phenethoxy)cyclohexyl]methyl}nicotinamide;
- *N*-{[*cis*-4-(2-Phenylethoxy)cyclohexyl]methyl}-1*H*-pyrazole-4-carboxamide;
- $N-\{[cis-4-(Phenoxymethyl)cyclohexyl]methyl\}-1H-pyrazole-4-carboxamide;$
- *N*-{[*cis*-4-(2-Phenoxyethyl)cyclohexyl]methyl}-1*H*-pyrazole-4-carboxamide;
- *N*-({*cis*-4-[(3-Fluorophenoxy)methyl]cyclohexyl}methyl)-1*H*-pyrazole-4-carboxamide;
- N-({cis-4-[(4-Fluorophenoxy)methyl]cyclohexyl}methyl)-1H-pyrazole-4-carboxamide;
- $N-(\{(2R,5R)-5-[(4-Fluorophenoxy)methyl]tetrahydro-2H-pyran-2-yl\}methyl)-1H-pyrazole-4-carboxamide;$
- *N*-{[*cis*-4-(4-Methoxybenzyl)cyclohexyl]methyl}-1*H*-pyrazole-4-carboxamide;
- 3-Amino-N-[(cis-4-benzylcyclohexyl)methyl]-1H-pyrazole-4-carboxamide;
- $N-(\{(2R,5R)-5-[(4-\text{Chlorophenoxy})\text{methyl}]\text{tetrahydro-}2H-\text{pyran-}2-\text{yl}\}\text{methyl})-1H-\text{pyrazole-}4-\text{carboxamide};$
- 3-Amino-N-( $\{(2R,5R)$ -5-[(4-fluorophenoxy)methyl]tetrahydro-2H-pyran-2-yl $\}$ methyl)-1H-pyrazole-4-carboxamide;
- 3-Amino-*N*-({(2R,5R)-5-[(4-chlorophenoxy)methyl]tetrahydro-2*H*-pyran-2-yl}methyl)-*1H*-pyrazole-4-carboxamide; and
- 3-Amino-N-( $\{(2R,5R)$ -5-[(4-ethylphenoxy)methyl]tetrahydro-2H-pyran-2-yl $\}$ methyl)-1H-pyrazole-4-carboxamide;
- or a pharmaceutically acceptable salt or solvate thereof.
- 14. A pharmaceutical composition including a compound of the formula (I) or a pharmaceutically acceptable salt or solvate thereof, as defined in any one of claims 1 to 13, together with a pharmaceutically acceptable excipient.
- 15. A compound of the formula (I) or a pharmaceutically acceptable salt or solvate thereof, as defined in any one of claims 1 to 14, for use as a medicament.

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- 16. The use of a compound of the formula (I) or a pharmaceutically acceptable salt, solvate or composition thereof, as defined in any one of claims 1 to 13 and 14, respectively, for the manufacture of a medicament to treat a disease for which an NMDA NR2B antagonist is indicated.
- 17. A use according to claim 16 where the disease is selected from pain, stroke, traumatic brain injury, Parkinson's disease, Alzheimer's disease, depression, anxiety and migraine.
- 18. A method of treatment of a mammal, including a human being, to treat a disease for which an NMDA NR2B antagonist is indicated, including treating said mammal with an effective amount of a compound of the formula (I) or with a pharmaceutically acceptable salt, solvate or composition thereof, as defined in any one of claims 1 to 13 and 14, respectively.
- 19. A method according to claim 18 where the disease is selected from pain, stroke, traumatic brain injury, Parkinson's disease, Alzheimer's disease, depression, anxiety and migraine.
- 20. A combination of a compound of the formula (I), as defined in any one of claims 1-13, and another pharmacologically active agent.